

# VANGUARD

## MODULAR LED FLOOD

75W - 1200W

- Rapid fit optics allow customized distribution for perfect performance
- Unique waterproofing concept provides instant IP-66 rated light engines
- >160 lm/W - designed to meet and exceed industry performance standards
- Rugged UV stabilized power coated finish
- Available in 0-10V and DALI dimming protocols



### POWER

Exceptional performance can deliver >200,000 lumens from a single fixture

### PRECISION

Rapid fit optics allow for custom distributions

### ENGINEERING

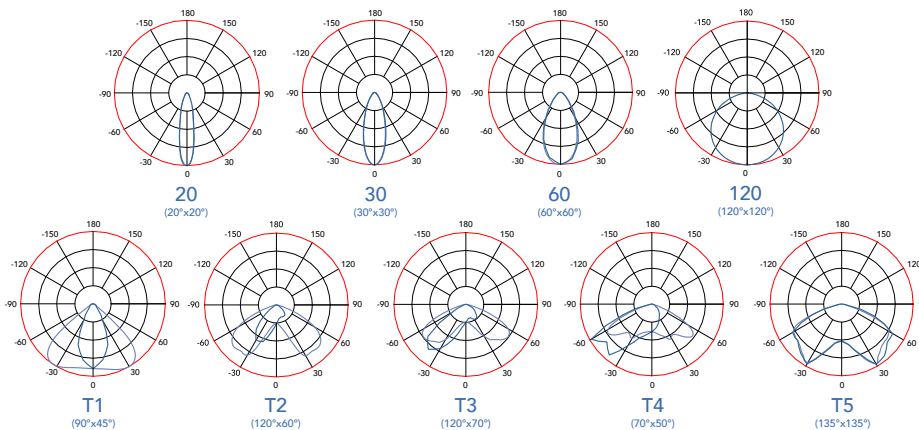
Rugged design and unique waterproofing ensures long term performance in rough environments

### ORDERING INFORMATION

EXAMPLE PART #: MFL - 300 - 50K - 60 - V01 - BL - TL - VDIM - NAT - SYN

SERIES	WATTS	CCT	OPTICS	INPUT	FINISH	MOUNTING	DIMMING	OPTIONS
MFL	75 100 150 200 300 400 600 800 1000 1200	40K 50K 57K	20 30 60 120 T1 T2 T3 T4 T5	V01 (100-277V) V04 (347-480V)	BL   Black WT   White	TL   Tilt Bracket DPM1   Dual Pendant 1/2" NPT DPM2   Dual Pendant 3/4" NPT CM   Cable Mount Brackets	NDIM   Non-Dimming VDIM   0-10V Dimming DDIM   DALI Dimming	SP10   10kA Surge Protection SP20   20kA Surge Protection PC   Photocell NAT   Natatorium 80CRI   >80CRI Chipset GS   Glare Shield SF14   Slipfitter for 2-3/8" Tennon SYN   Synapse Wireless Control

### OPTICS



### LUMEN CHART

	40K	50K	57K
75W	12,284 lm	12,534 lm	12,790 lm
100W	16,988 lm	17,334 lm	17,688 lm
150W	23,968 lm	24,457 lm	24,956 lm
200W	33,975 lm	34,668 lm	35,376 lm
300W	49,418 lm	50,427 lm	51,456 lm
400W	67,950 lm	69,337 lm	70,752 lm
600W	98,837 lm	100,854 lm	102,912 lm
800W	135,900 lm	138,674 lm	141,504 lm
1000W	169,876 lm	173,342 lm	176,880 lm
1200W	197,673 lm	201,708 lm	205,824 lm

Due to continuous improvement and innovation, product appearance and specifications may change without notice. Actual performance may differ as a result of end-user environment and application.

Typical delivered lumen data is approximate. Actual lumens will vary due to installation environment and beam pattern. Please see IES files.

## SPECIFICATIONS

**Expected Life** | >100,000 Hours  
**IP Rating** | IP66, NEMA 4X  
**Ambient Operating Temp** | -40°C to +40°C  
**Color Rendering Index (CRI)** | >70, >80 Avail.  
**Input Line Voltage** | 100-277VAC, 347-480VAC  
**Input Line Frequency** | 50/60Hz  
**Power Factor** | >0.9  
**THD** | <15%  
**LED Chips** | Lumileds  
**Driver** | Mean Well / Inventronics  
**Weight** | See Table  
**EPA** | See Table

## LISTINGS & RATINGS

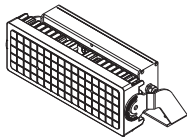
**Safety** | ETL Listed to UL 1598, UL 1598A, UL 8750  
**Ingress** | IP66  
**NEMA Rating** | 4X  
**FCC Compliant** | 47 CFR FCC Part 15 Subpart B

## MATERIALS

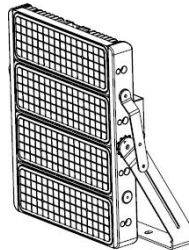
**Heat Sink** | A380 Alloy ADC12  
**Housing** | A380 Alloy ADC12  
**Hardware** | Stainless Steel  
**Finish** | UV Stabilized Polyester Powder Coat  
**Lens** | Optical Grade Polycarbonate  
**Driver** | Mean Well / Inventronics  
**NAT Option** | Natatorium Rated fixture includes stainless steel exposed hardware and powder coated stainless steel mounting bracket

## PRODUCT DRAWINGS

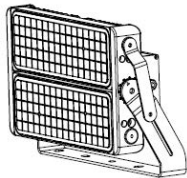
MFL-75/100  
(1 Module)



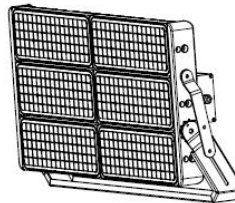
MFL-400  
(4 Module)



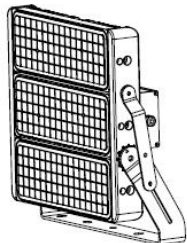
MFL-150/200  
(2 Module)



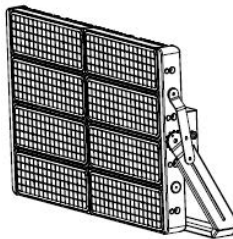
MFL-600  
(6 Module)



MFL-300  
(3 Module)



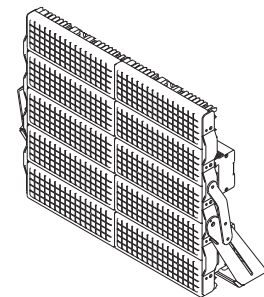
MFL-800  
(8 Module)



## PHYSICAL PROPERTIES

	WEIGHT	Width x Depth x Height DIMENSIONS	MAX EPA (FT <sup>2</sup> )
75W	8.4 lb	12.9 x 6 x 5 in	0.5
100W	8.4 lb	12.9 x 6 x 5 in	0.5
150W	13.7 lb	15 x 4.8 x 10.2 in	1.3
200W	13.7 lb	15 x 4.8 x 10.2 in	1.3
300W	18.5 lb	15 x 4.8 x 14.5 in	1.8
400W	24.7 lb	15 x 7 x 18.3 in	2.3
600W	32.6 lb	26.8 x 5 x 14.5 in	3.2
800W	45.2 lb	26.8 x 7.1 x 18.2 in	4.1
1000W	56.0 lb	26.8 x 7.1 x 22.3 in	5.1
1200W	67.0 lb	26.8 x 8.5 x 26.1 in	5.9

MFL-1000  
(10 Module)



MFL-1200  
(12 Module)

